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DIALOG(R)File 347:JAPIO

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BEARING STRUCTURE IN TRANSMISSION FOR VEHICLE

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ABSTRACT

PURPOSE: To shorten the axial dimension and provide a compact bearing structure for enabling a synchrojoint to be easily located in double shaft type infinitely variable transmission by arranging axially doubly a spline formed on a transmission shaft and an oil seal.

CONSTITUTION: A metal 21A providing a slide **bearing** surface of an oil **seal** at the engine side of a shoulder 213 of an input **shaft** located inside a boss 651 in the central portion of a side wall 65 is fitted onto a spline 21S formed on the engine side of the input **shaft** to overlap said spline. The oil **seal** 8 has the tubular portion 83 fitted onto the boss 651 and the **lip** 87 fitted onto the metel 21A. A **bearing** 211 is interposed between the tubular portion 83 and the **lip** 87 to lverlap axially on them. Thus, since the spline of the input **shaft** and the oil **seal** are arranged to overlap axially on each other, the axial dimension can be shortened to provide a compact **bearing** structure so that a syhchrojoint can be located easily in a double **shaft** type infinitely variable transmission.

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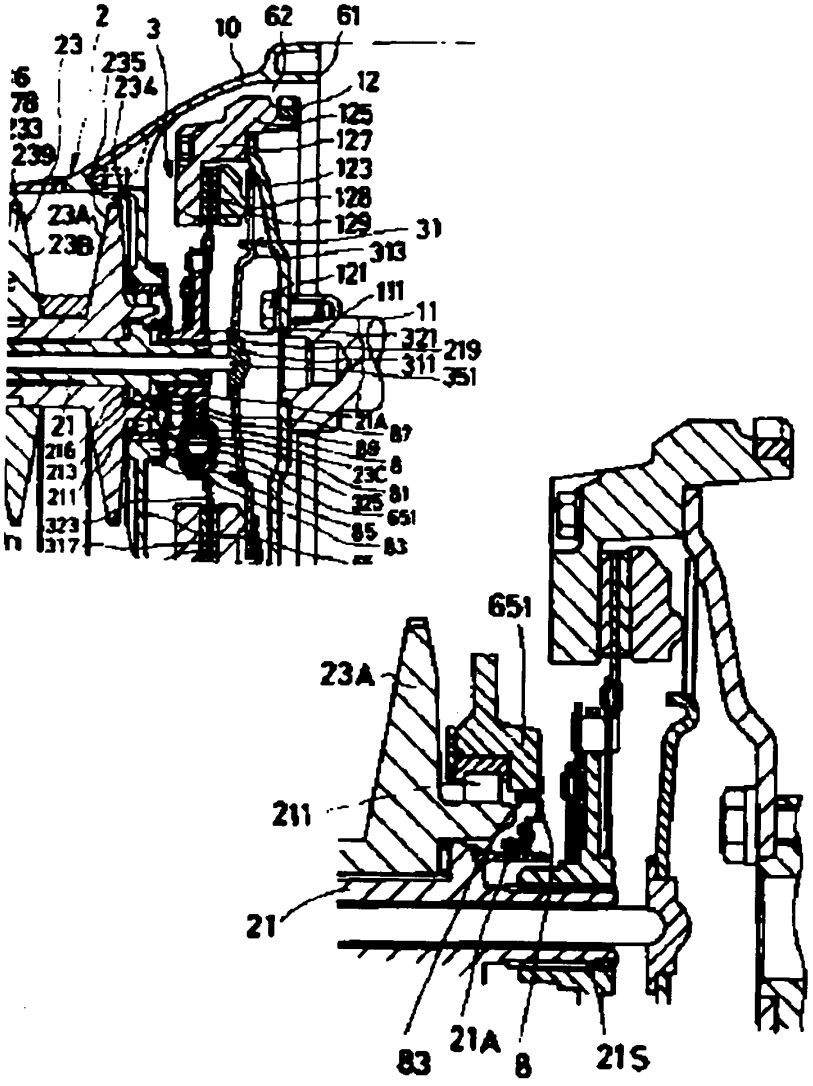
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